CLAIMS:

1.   A method of determining location information of a wireless device, the method comprising:

acquiring an image of a scene;

preparing the acquired image for transmission;

transmitting the prepared image to a processing center configured to process the prepared image to obtain the location information of the wireless device;

receiving from the processing center the location information; and

displaying the location information.

2.   The method of claim 1, wherein preparing the acquired image using at least one algorithm selected from the group consisting of image compression, video compression, framing, error control, and addressing.

3.   A method of determining location information of a wireless device, the method comprising:

acquiring an image of a scene; and

processing the acquired image to obtain the location information of the wireless device.

4.   The method of claim 3, wherein processing the acquired image to obtain the location information of the wireless device using at least one algorithm selected from the group consisting of computer vision, image correlation, pattern recognition, image classification, and image recognition.

5.   The method of claim 3 further comprising displaying the location information.

6.   The method of claim 3 further comprising receiving aiding information from a remote data center.

7.   The method of claim 6, wherein the aiding information includes a location database.

8

8.   A wireless device comprising:

an image capturing device configured to acquire an image of a scene;

a processor configured to prepare the acquired image for transmission;

a transmitter configured to transmit the prepared image to a processing center;

a receiver configured to receive location information derived from the prepared image; and

a display configured to display the received location information.

9.   The wireless device comprising of claim 8, wherein the processor prepares the acquired image for transmission using at least one algorithm selected from the group consisting of image compression, video compression, framing, error control, and addressing.

10.   A wireless device for determining location information comprising:

an image capturing device configured to acquire an image of a scene;

a processor configured to process the acquired image to obtain the location information of the wireless device; and

a display configured to display the location information.

11.   The wireless device of claim 10 wherein the processor processes the acquired image using at least one algorithm selected from the group consisting of image compression, video compression, framing, error control, and addressing.

12.   The wireless device of claim 10 further comprising:

a transmitter configured to transmit a request for aiding information to a remote data center; and

a receiver configured to receive the aiding information;

wherein the processor process the acquired image using the aiding information.

13.   The wireless device of claim 12, wherein the aiding information includes a location database.

14.   The wireless device of claim 12, wherein the transmitter is further configured to transmit the location information to a requesting entity.

15.   A wireless device for determining location information comprising:

means for acquiring an image of the scene;

means for preparing the acquired image for transmission;

means for transmitting the prepared image to a processing center for processing configured to process the prepared image to obtain the location information of the wireless device;

means for receiving from the processing center the location information; and

means for displaying the location information.

16.   The wireless device of claim 15, wherein means for preparing the acquired image for transmission utilizes at least one algorithm selected from the group consisting of image compression, video compression, framing, error control, and addressing.

17.   A wireless device for determining location information, comprising:

means for acquiring an image of a scene; and

means for processing the acquired image to obtain the location information of the wireless device.

18.   The wireless device of claim 17, wherein means for processing the acquired image to obtain the location information of the wireless device utilizes at least one algorithm selected from the group consisting of computer vision, image correlation, pattern recognition, image classification, and image recognition.

19.   The wireless device of claim 17 further comprising means for displaying the location information.

20.   The wireless device of claim 17 further comprising:

means for transmitting a request for aiding information to a remote data center; and

means for receiving the aiding information;

wherein the means for processing the acquired image utilizes the aiding information.

21.   The wireless device of claim 20, wherein the aiding information includes a location database.

22.   A wireless device for transmitting location information comprising:

a panic button for initiating a location information process;

an image capturing device with an adjustable head for acquiring at least one image of a scene in response to activation of the panic button;

a processor for preparing the captured at least one image for transmission;

a transmitter for transmitting the prepared at least one image to a processing center configured to process the at least one image to determine the location of the wireless device.